

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9220	("445").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/24 19:18
L2	3034	1 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube)	US-PGPUB; USPAT	OR	ON	2006/06/24 19:30
L3	73	2 and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:21
L4	63	3 and @ad<"20020817"	US-PGPUB; USPAT	OR	ON	2006/06/24 19:34
L6	229	(lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	EPO; JPO; DERWENT	OR	ON	2006/06/24 19:31
L7	0	6 and glass	US-PGPUB; USPAT	OR	ON	2006/06/24 19:32
L8	1424	(140/71R,71.5,71.6,111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/24 19:32
L9	0	8 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:33
L10	1	8 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) same (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:33
L11	26413	("228").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/24 19:33
L12	35	11 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:33
L13	32	12 and @ad<"20020817"	US-PGPUB; USPAT	OR	ON	2006/06/24 19:34
L14	13	13 and glass	US-PGPUB; USPAT	OR	ON	2006/06/24 19:34

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	1	("20040033753").PN.	US-PGPUB; USPAT	OR	OFF	2005/05/16 14:33
S2	680	(445/22,26,27).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/16 15:27
S3	1342	(65/59.1-59.7,32.2).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/16 14:33
S4	1984	S2 S3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 14:34
S5	326	S4 and (glass and gas and (cathode electrode anode) and method)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 14:39
S6	22	S5 and ((glass with bead) same electrode)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 14:59
S7	125	S4 and bead	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 14:59
S8	86	S7 and (bead with glass)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 14:59
S9	52	S8 and (cathode electrode anode)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 14:59
S10	11	("2093567"   "2386820"   "3893837").PN. OR ("4086075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 15:02
S11	3	("3220815").PN. OR ("4163656").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 15:06
S12	17	("3669715"   "3706582"   "4128697"   "4152282"   "4163656"   "4349692"   "4362796").PN. OR ("4417913").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 15:25
S13	0	("2004/0083762").URPN.	USPAT	OR	ON	2005/05/16 15:24
S14	95	S2 and (electrode near4 assembly)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 15:43

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S15	76	S14 and glass	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 15:43
S16	32	S3 and (electrode near4 assembly)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 15:43
S17	27	S16 and glass	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 15:43
S18	23	S17 not S15	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 16:04
S19	877	((lead conduct\$3 wire filament electrode cathode anode) same (hear\$3 oxidiz\$3 anneal\$3 firing)) and ((bead plug tubulation partical pellet pea pinch globule tube) same (heat\$3 soften\$3 melt\$3)) and glass and ("445"/\$.ccls. 65/59.1-59.7.ccls. )	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:12
S20	16786	((lead conduct\$3 wire filament electrode cathode anode) same (hear\$3 oxidiz\$3 anneal\$3 firing)) and ((bead plug tubulation partical pellet pea pinch globule tube) same (heat\$3 soften\$3 melt\$3)) and glass	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 16:10
S21	8614	("445").CLAS.	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:10
S22	1233	(65/59.1-59.7).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/16 16:10
S24	9671	S21 S22	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 16:10
S25	318	S20 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 16:12
S26	25	("2181240"   "2379025"   "2920785"   "3183937"   "3424568"   "3474088"   "3519409"   "3543383"   "3544294"   "3622297"   "3859072").PN. OR ("4066427"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 16:29

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S27	11	("2093567"   "2386820"   "3893837").PN. OR ("4086075").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 16:50
S28	16	("3113010"   "3270237"   "3275879"   "3466489"   "3475641"   "3494756"   "3743375").PN. OR ("4178050").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 17:21
S29	25	("2284151"   "2446277"   "3141753"   "3199967"   "3637917").PN. OR ("4103416").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 17:23
S30	15	("3115957"   "3445212"   "3615325"   "4060663"   "4128697"   "4148965"   "4414281"   "4430376"   "4445920"   "4500383"   "4678358"   "4725333"   "4841101").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/16 17:51
S31	2136	((lead conduct\$3 wire filament electrode cathode anode) with oxidiz\$3) and ((bead plug tubulation partical pellet pea pinch globule tube) same (heat\$3 soften\$3 melt\$3)) and glass and volt\$3	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:31
S32	37	S31 and "predetermined voltage"	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:16
S33	234	S31 and (volt\$4 with oxidiz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:17
S34	10	S33 and ((discharge arc) adj tube)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:17
S35	22	((lead conduct\$3 wire filament electrode cathode anode) with oxidiz\$3) and ((bead plug tubulation partical pellet pea pinch globule tube) same (heat\$3 soften\$3 melt\$3) same glass) and ("oxidizing treatment")	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:26
S36	32	"oxidizing treatment".ti.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:26

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S37	44	((lead conduct\$3 wire filament electrode cathode anode) with oxidiz\$3) and ((bead plug tubulation partical pellet pea pinch globule tube) same (heat\$3 soften\$3 melt\$3)) and glass and (laser with oxidiz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:36
S38	3	S37 and S24	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:32
S39	25	((lead conduct\$3 wire filament electrode cathode anode) with oxidiz\$3) and ((bead plug tubulation partical pellet pea pinch globule tube) same (heat\$3 soften\$3 melt\$3)) and glass and (infrared with oxidiz\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:38
S40	3	S25 and S39	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/16 18:39
S41	22	S39 not S40	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 10:56
S42	8620	("445").CLAS.	US-PGPUB; USPAT	OR	OFF	2005/05/17 10:57
S43	1233	(65/59.1-59.7).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/05/17 10:57
S44	9677	S42 S43	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 10:57
S45	29	S44 and ((filiment conduct\$3 wire lead cathode electrode anode) with (heat\$3 oxidiz\$3 anneal\$3 firing) with infrared)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2006/06/24 19:18
S46	521	S44 and ((filiment conduct\$3 wire lead cathode electrode anode) with (heat\$3 oxidiz\$3 anneal\$3 firing) with (volt\$3 current))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 11:27

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S47	25	(US-20010041491-\$ or US-20040083762-\$).did. or (US-4086075-\$ or US-4693692-\$ or US-4908055-\$ or US-5979187-\$ or US-4199340-\$ or US-4163656-\$ or US-4417913-\$ or US-4627824-\$ or US-4066427-\$ or US-3544294-\$ or US-4082392-\$ or US-4103416-\$ or US-4178050-\$ or US-3637917-\$ or US-4377404-\$ or US-5407119-\$ or US-5542867-\$ or US-5677190-\$ or US-6078131-\$ or US-3792224-\$ or US-5601465-\$ or US-3716285-\$ or US-6354901-\$).did.	US-PGPUB; USPAT	OR	ON	2005/05/17 11:23
S48	70	S46 and ((arc discharge) near3 tube)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 11:37
S49	3899	((lead conduct\$4 wire filament electrode cathode anode) with (heat\$3 oxidiz\$3 anneal\$3 firing)) and ((bead plug tubulation tube partical pea pellet globule) with glass) and ((arc discharge) near3 tube)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 11:42
S50	2974	S49 and ((lead conduct\$4 wire filament electrode cathode anode) same (volt\$3 current))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 11:43
S51	4328	((lead conduct\$4 wire filament electrode cathode anode) with (heat\$3 oxid\$6 anneal\$3 firing)) and ((bead plug tubulation tube partical pea pellet globule) with glass) and ((arc discharge) near3 tube)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 11:42
S52	3261	S51 and ((lead conduct\$4 wire filament electrode cathode anode) same (volt\$3 current))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:03
S53	2990	S51 and ((lead conduct\$4 wire filament electrode cathode anode) with (volt\$3 current))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:11
S54	2538	S51 and ((lead wire electrode) with (volt\$3 current))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:08

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S55	1021	S54 and ((lead wire electrode) with (volt\$3 current) with (plural additional several second two secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:09
S56	1196	S54 and ((lead wire electrode) with (volt\$3 current) with (pair plural additional several second two secondary))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:09
S57	213	S56 and ((lead conduct\$4 wire filament electrode cathode anode) with (volt\$3 current) with area)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:25
S58	8620	("445").CLAS.	US-PGPUB; USPAT	OR	OFF	2005/05/17 13:25
S59	181	S51 and S58	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 13:53
S60	76655	("219").CLAS.	US-PGPUB; USPAT	OR	OFF	2005/05/17 13:54
S61	2340	S60 and (((lead conduct\$3 wire filament electrode cathode anode) same (heat\$3 oxidiz\$3 anneal\$4 firing)) and ((bead plug tubulation partical pea pellet globule tube) same (heat\$3 melt\$3 soften\$3)) and glass)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 14:00
S62	152	S61 and ((arc discharge) near5 (tube lamp))	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	ON	2005/05/17 14:00
S63	0	("2003/0087578").URPN.	USPAT	OR	ON	2005/05/17 14:15
S64	1	("4103416").PN.	US-PGPUB; USPAT	OR	OFF	2005/05/17 14:15
S65	25	("2284151"   "2446277"   "3141753"   "3199967"   "3637917").PN. OR ("4103416").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/05/17 14:15
S66	9220	("445").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/24 19:18
S67	3034	S66 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube)	US-PGPUB; USPAT	OR	ON	2006/06/24 19:30
S68	73	S67 and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:21
S69	63	S68 and @ad<"20020817"	US-PGPUB; USPAT	OR	ON	2006/06/24 19:34

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S70	229	(lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	EPO; JPO; DERWENT	OR	ON	2006/06/24 19:31
S71	0	S70 and glass	US-PGPUB; USPAT	OR	ON	2006/06/24 19:32
S72	1424	(140/71R,71.5,71.6,111).CCLS.	US-PGPUB; USPAT	OR	OFF	2006/06/24 19:32
S73	0	S72 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:33
S74	1	S72 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) same (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:33
S75	26413	("228").CLAS.	US-PGPUB; USPAT	OR	OFF	2006/06/24 19:33
S76	35	S75 and (lamp bulb envelope vessel (arc near5 tube) arc\$tube) and (((lead conduct\$3 wire filament electrode cathode anode) with (oxidiz\$4 oxidation)) with (heat\$4 thermal))	US-PGPUB; USPAT	OR	ON	2006/06/24 19:33
S77	32	S76 and @ad<"20020817"	US-PGPUB; USPAT	OR	ON	2006/06/24 19:34
S78	13	S77 and glass	US-PGPUB; USPAT	OR	ON	2006/06/24 19:34